

AMENDMENTS TO THE SPECIFICATION

Please replace the abstract with the following newly written abstract:

A method for processing polychromatic attenuation values, wherein the polychromatic attenuation values are acquired by means of a polychromatic source of radiation generating a cone beam and radiation detector array with a plurality of detector rows, wherein the plurality of detector rows are arranged adjacent to each other in a first direction perpendicular to a second direction, wherein the second direction is parallel to the plurality of detector rows, the method comprising the step of: assigning the monochromatic attenuation values to polychromatic attenuation values, wherein the polychromatic attenuation values depend on the first direction and a three-dimensional look-up table is used for assigning the monochromatic attenuation values to the polychromatic attenuation values.